IN THE CLAIMS:

1-12 (Canceled)

13. (Currently Amended). A computer-implemented method comprising: using an Internet browser, enabling an end user to specify telephone service logic comprising specification for at least voice mail with different outgoing messages selected based on time of an incoming call; and electronically providing information representing the service logic to at least one computer controlling telephone service so as to enable the at least one computer controlling telephone service to control telephone service in accordance with the service logic.

14. (Original) The method of claim 13 wherein the at least one computer controlling telephone service is a telephone company computer.

15. (Previously presented) The method of claim 13 wherein the at least one computer controlling telephone service is end users' local computer.

16-32 (Canceled)

33. (Currently Amended) A computer system comprising: memory, accessible over the Internet, storing a telephone service logic comprising specification for at least voice mail with different outgoing messages selected based on time of an incoming call; and software electronically providing information representing the service logic to at least one computer controlling telephone service so as to enable the at least one computer controlling telephone service to control telephone service in accordance with the service logic.

34. (Original) The system of claim 33 wherein the at least one computer controlling telephone service is a telephone company computer.

35. (Previously presented) The method of claim 33 wherein the at least one computer controlling telephone service is end users' local computer.

36 (Canceled)

37. (Previously presented) The method of claim 13 wherein the telephone service logic further comprises a specification for call waiting including a specification for which incoming calls the on-going call is to be interrupted.

38. (Previously presented) The method of claim 37 wherein the telephone service logic further comprising specification for blocking incoming calls based on caller ID.

39. (Canceled)

40. (Previously presented) The system of claim 33 wherein the telephone service logic further comprising specification for call waiting.

41. (Previously presented) The system of claim 40 wherein the telephone service logic further comprising specification for blocking incoming calls based on caller ID .

42 - 46. (Canceled).

47. (Currently Amended) The method of claim 13 wherein the specification for voice mail comprises specifying different outgoing messages to be selected based on incoming caller ID or time of an incoming call.

48. (Previously presented) The method of claim 13, wherein enabling an end user to specify telephone service logic includes enabling the end user to use voice input to specify the telephone service logic.

49. (Previously presented) The method of claim 13, wherein enabling end user to specify telephone service logic includes enabling the end user to provide the service logic wirelessly from a portable device.

50. (Previously presented) The method of claim 49 further comprising receiving data at the portable device based on a location of the portable device.

51. (Canceled)

52. (Currently Amended) The method of claim 51 50, wherein the data, received at the portable device based on the location of the portable device, has been previously requested by the end user over the Internet.

53. (Currently Amended) The system of claim 40, wherein the specification for voice mail comprises specification of different outgoing messages to be selected based on incoming caller ID or time of an incoming call.

54. (Previously presented) The system of claim 40 further includes voice recognition software enabling the end user to use voice input to specify telephone service logic.

55. (New) The system of claim 40 wherein the specification for call waiting comprises specification of relative priority of caller ID's, so as to determine, by comparing priority of caller ID of an incoming call with priority of caller ID of an on-going call, whether to provide a call waiting notification for the incoming call or direct the incoming call to voice mail.

56. (New) The method of claim 13 wherein the telephone service logic further comprises a specification for use of different carriers during different time periods.